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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/938,948	08/23/2001	P. Nick Lawrence	066300.0125	4504
75	590 09/14/2004		EXAM	INER
Baker Botts L	.L.P.		HIRL, JO	SEPH P
6th Floor 2001 Ross Avenue			ART UNIT	PAPER NUMBER
Dallas, TX 75201-2980			2121	
			DATE MAILED: 09/14/2004	4

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	09/938,948	LAWRENCE, P. NICK
Office Action Summary	Examiner	Art Unit
	Joseph P. Hirl	2121
The MAILING DATE of this communication Period for Reply	appears on the cover sheet with the c	orrespondence address
A SHORTENED STATUTORY PERIOD FOR RE THE MAILING DATE OF THIS COMMUNICATIO - Extensions of time may be available under the provisions of 37 CFI after SIX (6) MONTHS from the mailing date of this communication - If the period for reply specified above is less than thirty (30) days, a - If NO period for reply is specified above, the maximum statutory pe - Failure to reply within the set or extended period for reply will, by st Any reply received by the Office later than three months after the mearned patent term adjustment. See 37 CFR 1.704(b).	DN. R 1.136(a). In no event, however, may a reply be tin I reply within the statutory minimum of thirty (30) day I riod will apply and will expire SIX (6) MONTHS from atute, cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on 2 This action is FINAL . 2b) □ 3 Since this application is in condition for allocation accordance with the practice und	This action is non-final.	
Disposition of Claims		
4) ⊠ Claim(s) 1-185 is/are pending in the application 4a) Of the above claim(s) is/are with 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1-22 is/are rejected. 7) □ Claim(s) is/are objected to. 8) ⊠ Claim(s) 23-185 are subject to restriction as	drawn from consideration.	
Application Papers		
9) The specification is objected to by the Exam 10) The drawing(s) filed on is/are: a) Applicant may not request that any objection to Replacement drawing sheet(s) including the con 11) The oath or declaration is objected to by the	accepted or b) objected to by the the drawing(s) be held in abeyance. Se rrection is required if the drawing(s) is ob	e 37 CFR 1.85(a). ejected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of: 1. Certified copies of the priority docum 2. Certified copies of the priority docum 3. Copies of the certified copies of the papplication from the International Bu * See the attached detailed Office action for a	nents have been received. nents have been received in Applicat priority documents have been receive reau (PCT Rule 17.2(a)).	ion No ed in this National Stage
Attachment(s) 1) ☑ Notice of References Cited (PTO-892) 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948 3) ☑ Information Disclosure Statement(s) (PTO-1449 or PTO/SE Paper No(s)/Mail Date 20020206.		

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DETAILED ACTION

Election/Restrictions

1. During a telephone conversation with applicant's attorney, Keiko Ichiye on September 7, 2004, a provisional election was made without traverse to prosecute the invention of defined specifically in claims 1-22. Affirmation of this election must be made by applicant in replying to this Office action. Claims 23-185 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

Double Patenting

2. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970);and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

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A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

3. Claims 1 and 2 are rejected under the judicially created doctrine of double patenting over claims 1, 2 of U. S. Patent No. 6,167,391 since the claims, if allowed, would improperly extend the "right to exclude" already granted in the patent.

The subject matter claimed in the instant application is fully disclosed in the patent and is covered by the patent since the patent and the application are claiming common subject matter, as follows:

Claim 1 of the application represents the genus which is anticipated by the species of claim 1 of U.S. Patent No. 6,167,391. The applicant's claim that a distance is substantially larger than the mean is not limiting since nothing is done with such distance and it is axiomatic that some distance value will be larger than the mean.

Claim 2 of the application represents the genus which is anticipated by the species of claim 2 of U.S. Patent No. 6,167,391. The applicant's claim of a plurality of second values is not applied to anything and each correlithm object comes with a plurality of values (Abstract, U.S. Patent No. 6,167,391).

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Furthermore, there is no apparent reason why applicant was prevented from presenting claims corresponding to those of the instant application during prosecution of the application which matured into a patent. See *In re Schneller*, 397 F.2d 350, 158 USPQ 210 (CCPA 1968). See also MPEP § 804.

Claim Rejections - 35 USC § 101

4. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 1-22 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. Claims 1-22 represent descriptive material per se and are non-statutory (MPEP 2106 IV.B.1.) Each of claims 1-22 involve manipulations of data (in data structures) as an entity unto itself.

Conclusion

5. The prior art of record and not relied upon is considered pertinent to applicant's disclosure.

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Zhong, The University of Texas, "A Unified Framework for Model-based
 Clustering

- Lawrence, IEEE 0-8186-3420-0/93
- Lawrence, U.S. Patent 6,167,391
- 6. Claims 1-22 are rejected.

Correspondence Information

Any inquiry concerning this information or related to the subject disclosure should be directed to the Examiner, Joseph P. Hirl, whose telephone number is (703) 305-1668. The Examiner can be reached on Monday – Thursday from 6:00 a.m. to 4:30 p.m.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Anthony Knight can be reached at (703) 308-3179.

Any response to this office action should be mailed to:

Commissioner of Patents and Trademarks,

Washington, D. C. 20231;

or faxed to:

(703) 746-7239 (for formal communications intended for entry); or faxed to:

(703) 746-7290 (for informal or draft communications with notation of

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"Proposed" or "Draft" for the desk of the Examiner).

Note: During the last two weeks of October 2004, Art Unit 2121 will move to Carlyle, Randolph Building, 5th floor and my phone and fax number will change to: 571-272-3685 and 571-273-3685, respectively. Similarly, Anthony Knight's phone and fax numbers will change to: 571-272-3687 and 571-273-3687.

Joseph P. ⊬irl

September/8, 2004